

Notice of Allowability

Application No.

10/771,664

Examiner

Richard M. Lorence

Applicant(s)

PUIU, DUMITRU

Art Unit

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on May 25, 2005.
2. ☒ The allowed claim(s) is/are 1-44.
3. ☒ The drawings filed on 25 May 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

REASONS FOR ALLOWANCE

the amendment filed on May 25, 2005 has been entered. The specification and claim 35 have been amended.

The replacement drawing sheets containing Figures 3, 4, 8 and 13 filed on May 25, 2005 are acceptable.

Claims 1-44 are allowed.

The following is an examiner's statement of reasons for allowance:

None of the prior art of record shows or suggests a power transmission device comprising a rotary input member, a rotary output, a torque transmission mechanism including a friction clutch operably disposed between the input member and the output member, a clutch actuator including a rotary operator and a thrust mechanism, and an electrohydraulic control system including a fluid pump, an electric motor, a control valve, and a control unit arranged together in the manner specified in claim 1, and particularly wherein the rotary operator has first and second components defining an actuation chamber and a return chamber therebetween, the first component being fixed for rotation with one of the input and output members and the second component adapted to rotate relative to the first component.

Nor does the prior art of record show or suggest a power transfer device comprising a first shaft, a second shaft, a torque transmission mechanism including a friction clutch operably disposed between the first and second shafts, a clutch actuator

including a fluid pump, a rotary operator and a thrust mechanism, and a control system including a motor, a control valve, and a control unit arranged together in the manner specified in claim 21, and particularly wherein the rotary operator has first and second components defining an actuation chamber and a return chamber therebetween, the first component being fixed for rotation with one of the first and second shafts and the second component adapted to rotate relative to the first component.


Nor does the prior art of record show or suggest a torque transmission mechanism comprising a input member, an output member, a clutch pack operably disposed between the input and output members, an apply plate, a clutch actuator including a fluid pump, a rotary operator and a thrust mechanism, and a control system including a control valve arranged together in the manner specified in claim 34, and particularly wherein the rotary operator has first and second components defining an actuation chamber and a return chamber therebetween, the first component being fixed for rotation with one of the input and output members and the second component adapted to rotate relative to the first component.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard M. Lorence whose telephone number is (571) 272-7094. The examiner can normally be reached on Mondays through Fridays from 9:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A. Marmor can be reached on (571) 272-7095. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Richard M. Lorence
Primary Examiner
Art Unit 3681

Lorence/rml